



# State of Utah


DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING


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March 22, 1999

TO: File

THRU: Joseph Helfrich, Permit Supervisor 

FROM: David Darby, Reclamation Specialist 

RE: As-Built Plans for Reconstruction of Permanent Undisturbed Drainage Diversion,  
Mountain Coal Company, Gordon Creek #2, #7, & #8 Mines, ACT/007/016-99A,  
Carbon County, Utah

*File #2*

## SUMMARY

On March 5, 1999 the Division received as-built cross sections for the three permanent undisturbed drainage channels crossing the Gordon Creek #2 Mine pad. The operator was required to reconstruction portions of the channels after the landowner regraded the surface in late September 1998. The reconstruction took place in November. Maps and cross-sections were submitted, but no calculations were provided to show that design standards are met. The as-built design plans are determined incomplete.

## RECLAMATION PLAN

### HYDROLOGIC INFORMATION

Regulatory Reference: R645-301-742, -301-761.

#### Analysis

The applicant submitted a Final Reclamation Map, Plate 3-7, and a Plate (Plate 7-9B) identifying a cross-section for each channel. No information was provided identifying whether the cross-section was the minimal cross-sectional area of the channel, and no cross-sectional areas or flow calculations were provided. The cross-sections did not identify the thickness and extent of riprap.

#### Findings

The applicant should resubmit complete as-built undisturbed drainage channel designs incorporating the above mentioned information.